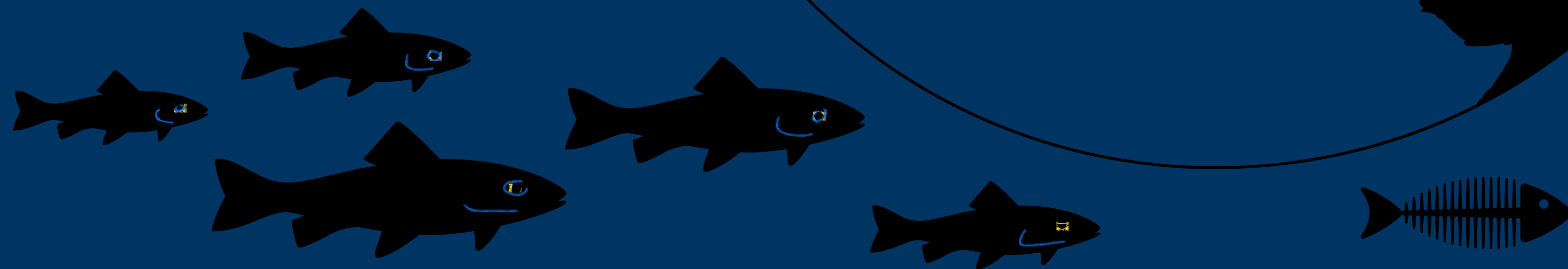
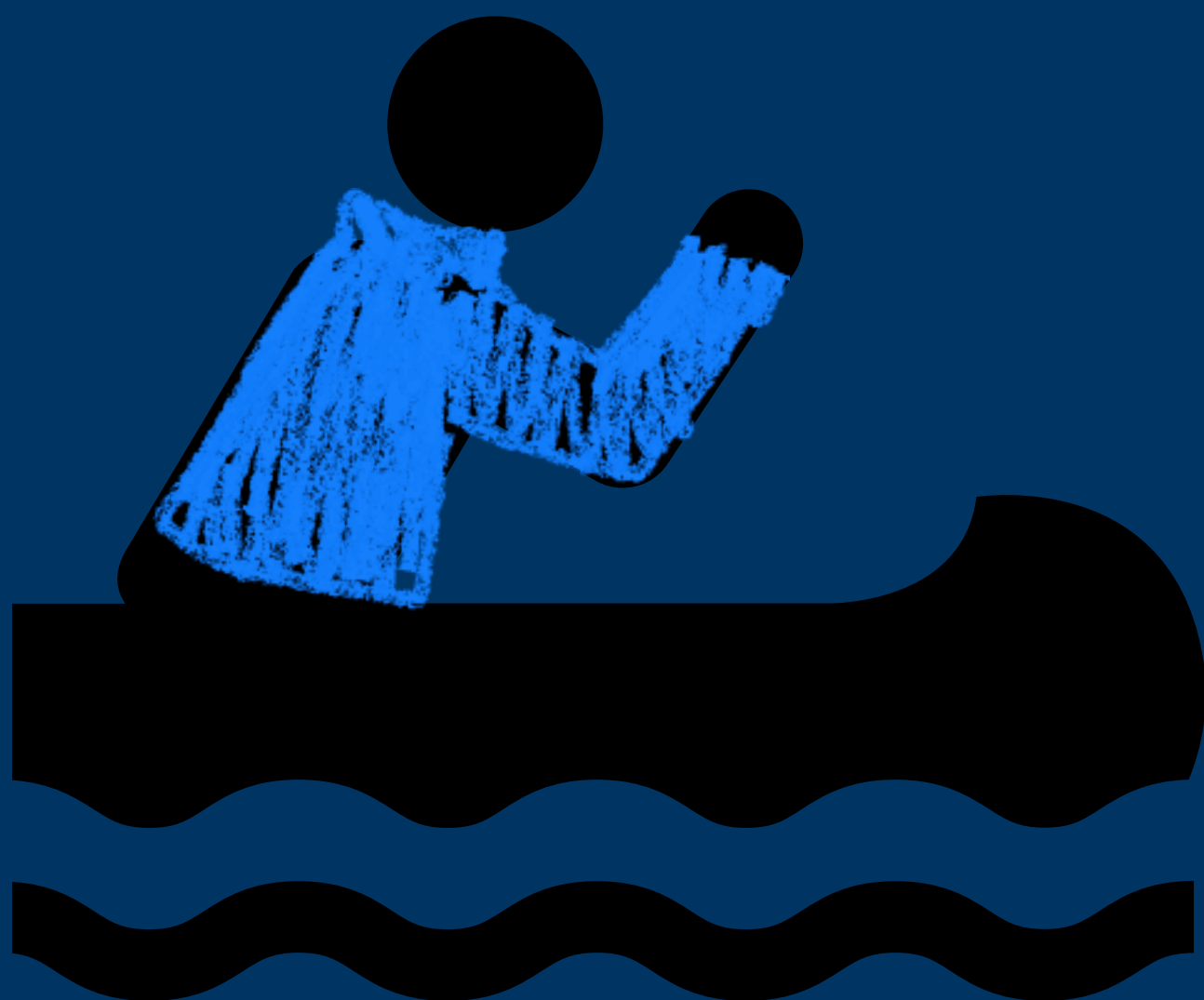


# Teaching Water Quality

THE SUCCESSES AND FAILURES







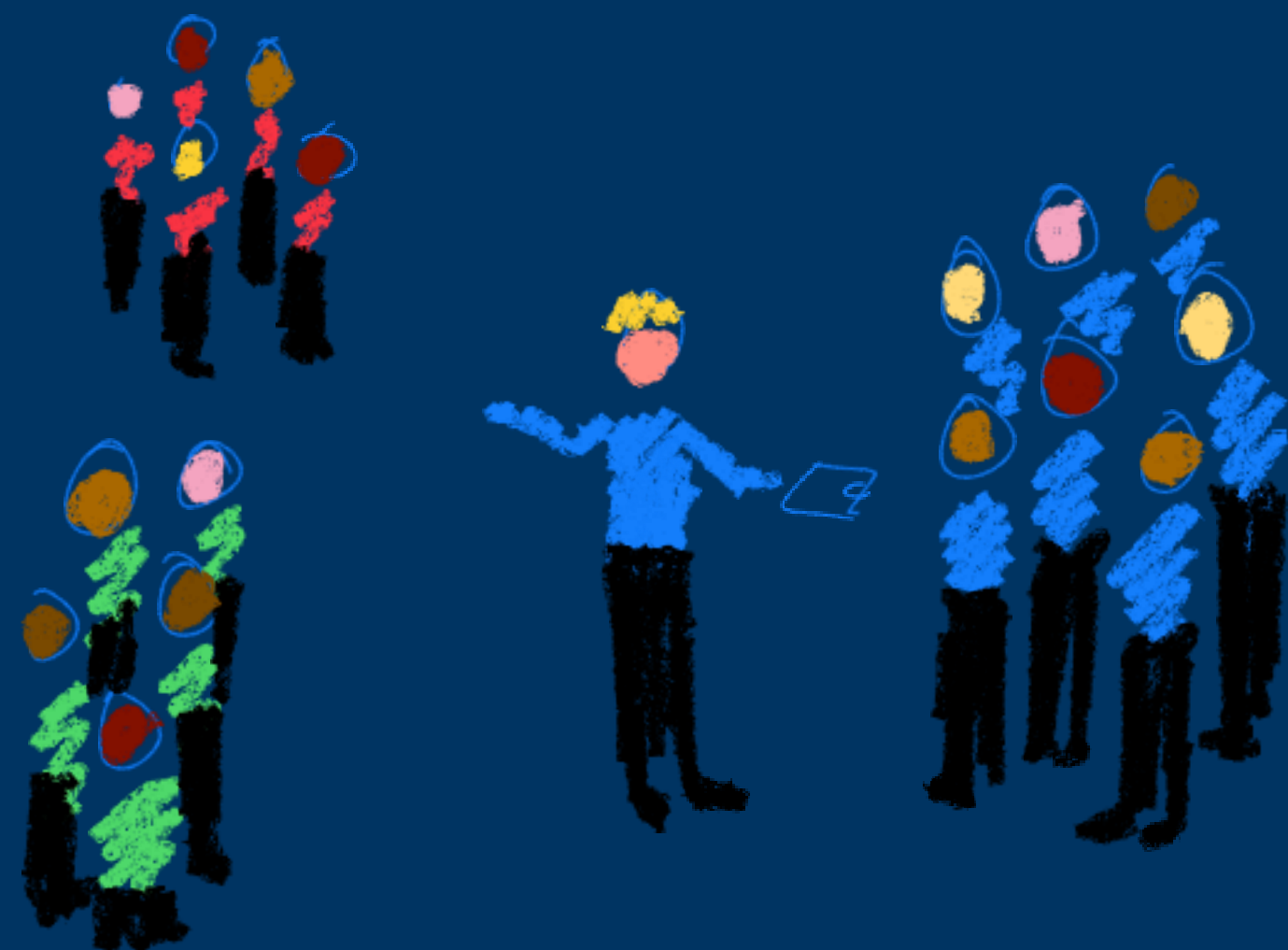
Savannah River

Fort Jackson





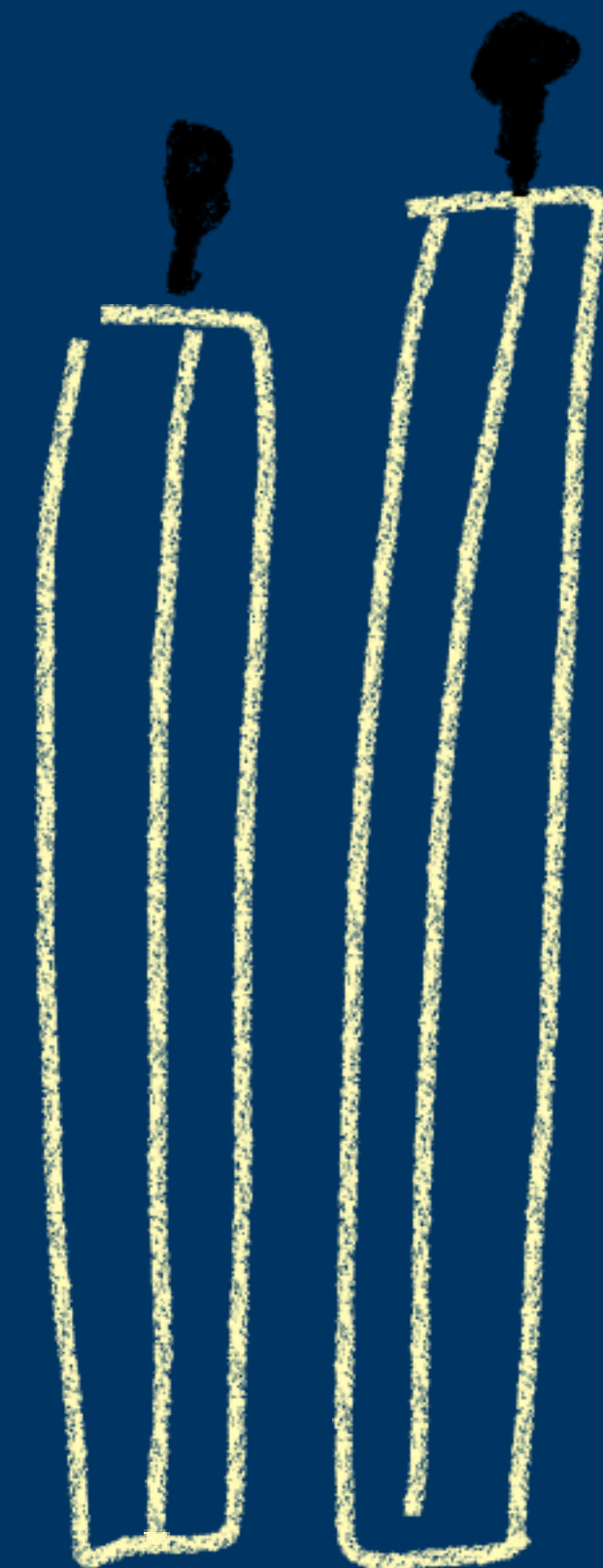
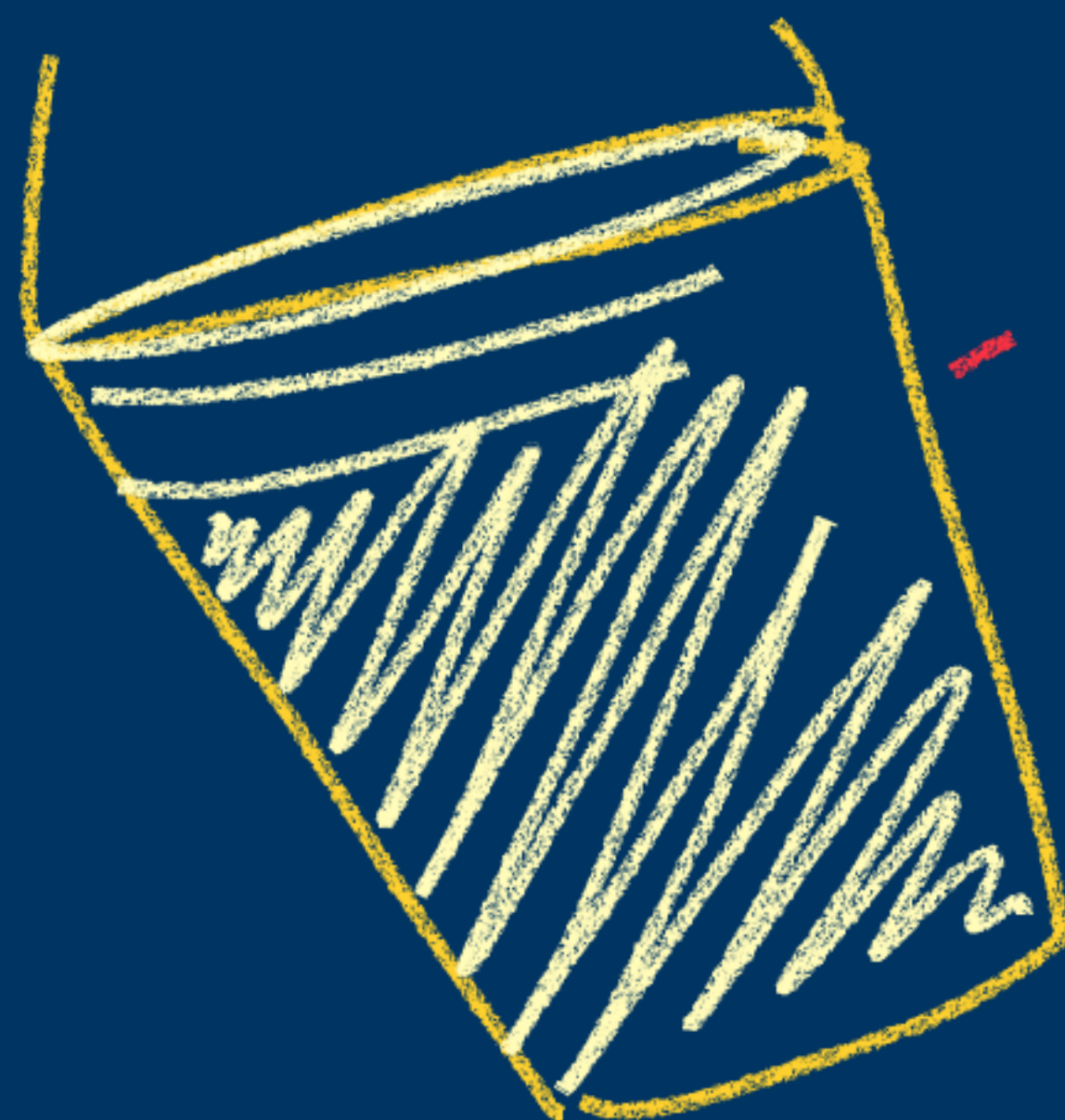
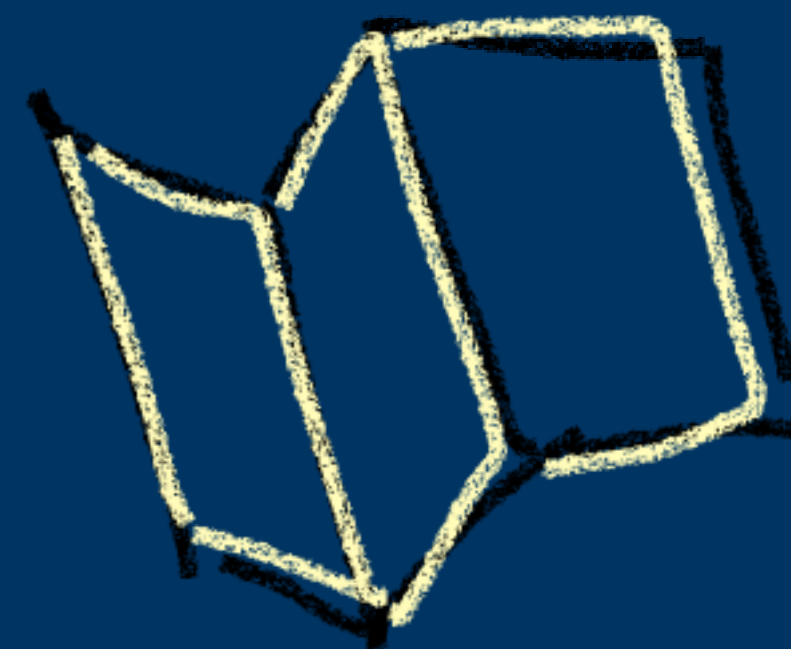
# Pre program



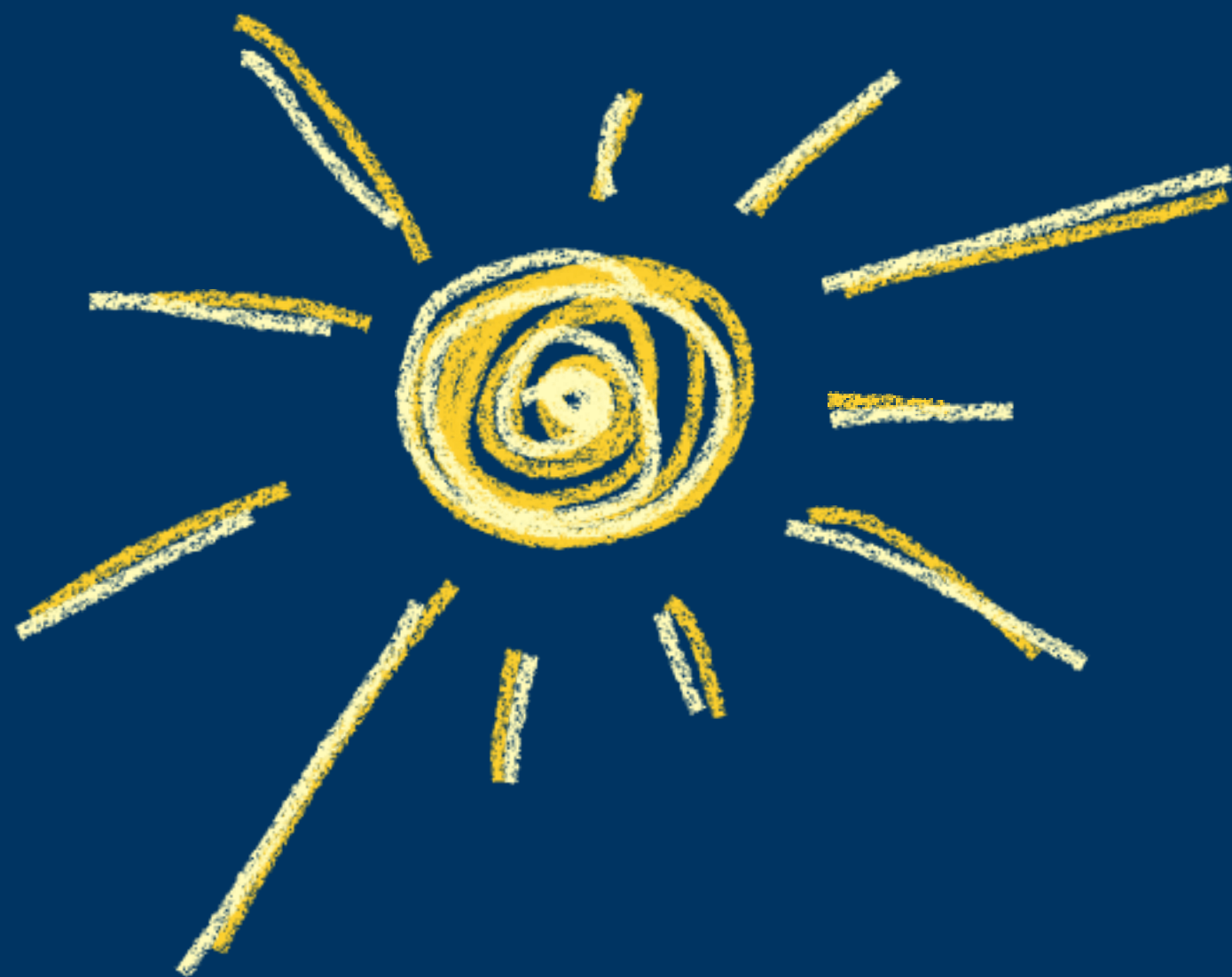




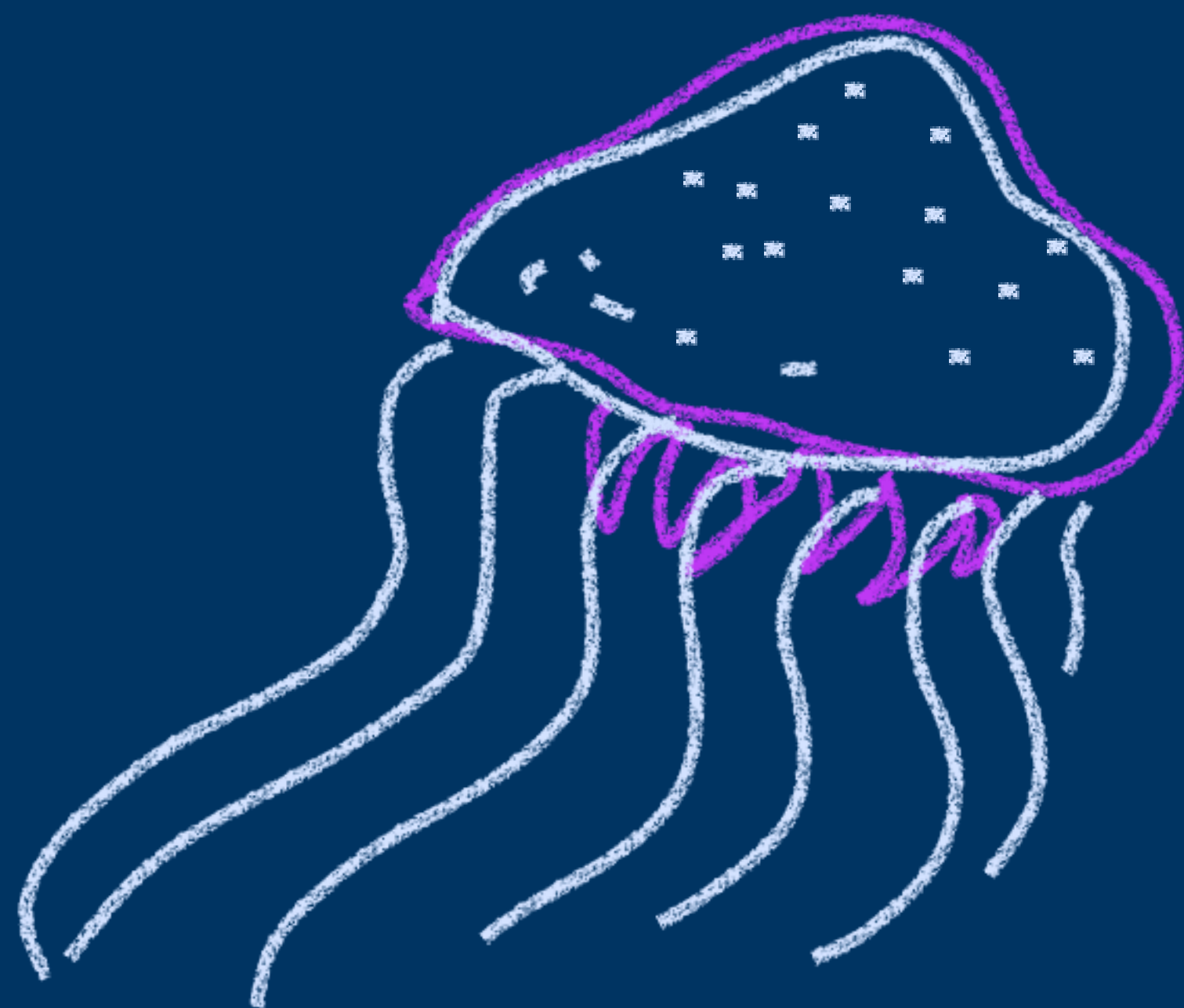
# Materials







Safety

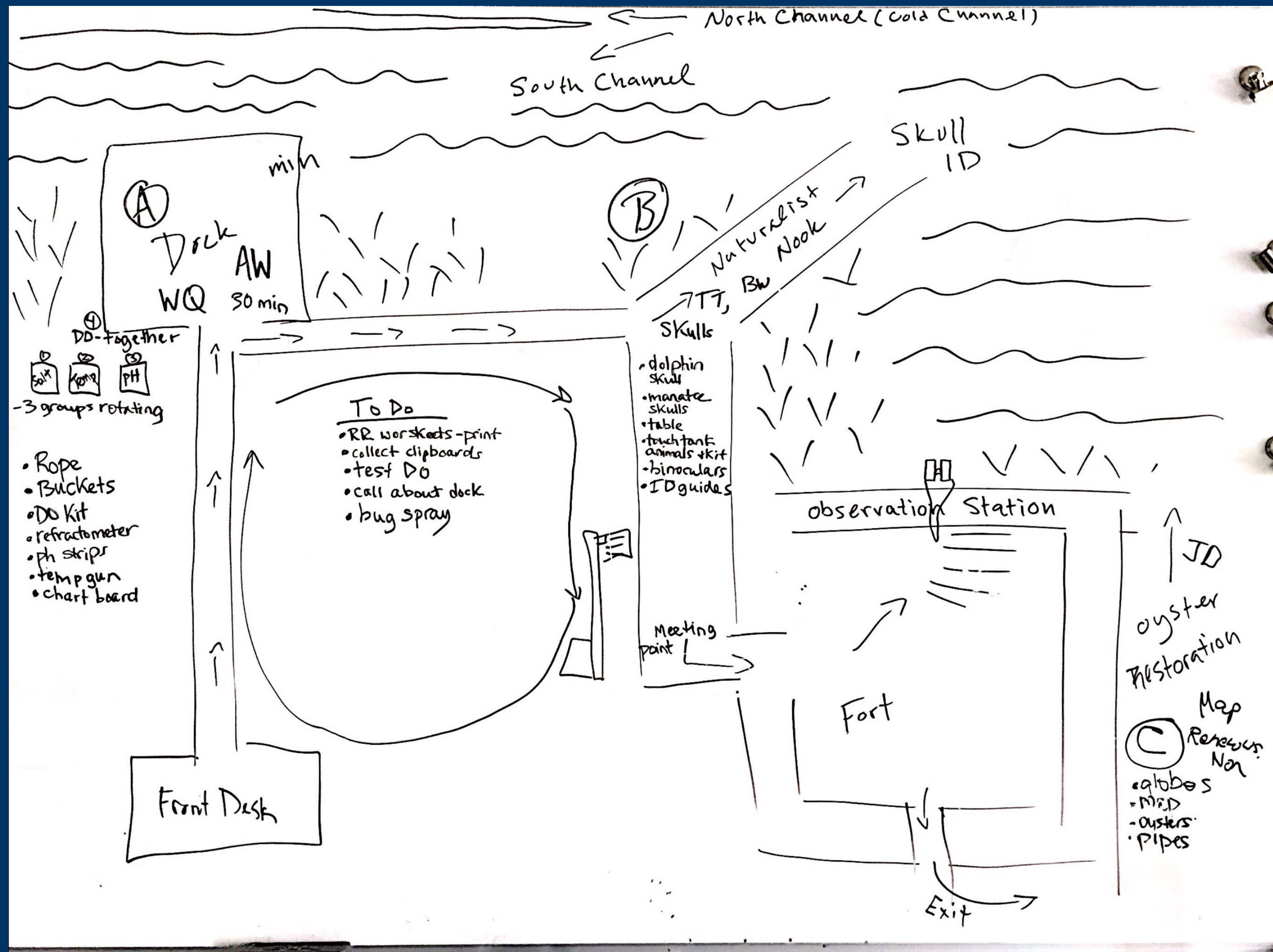




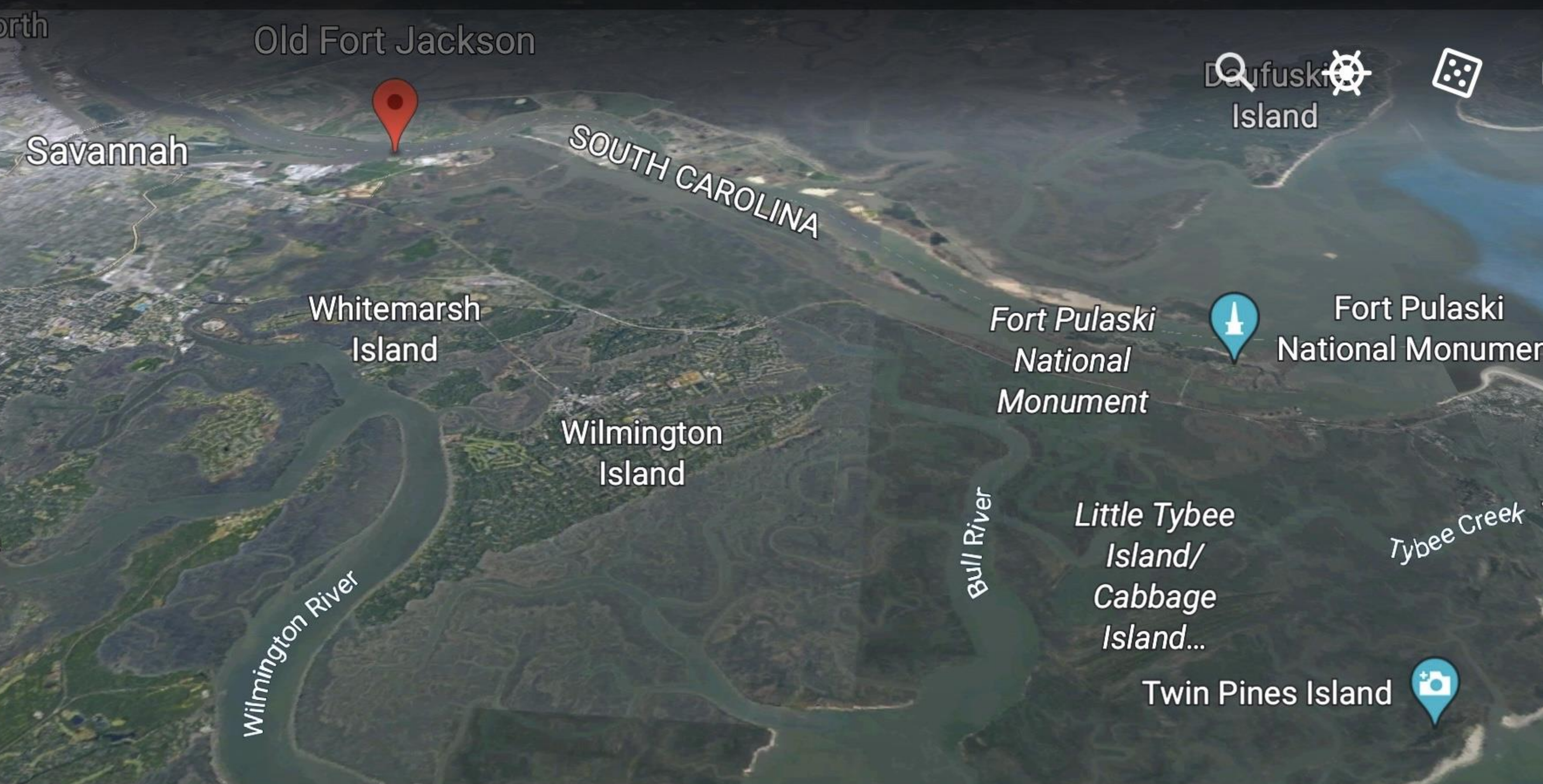
Water  
quality

Nature  
nook

River  
station



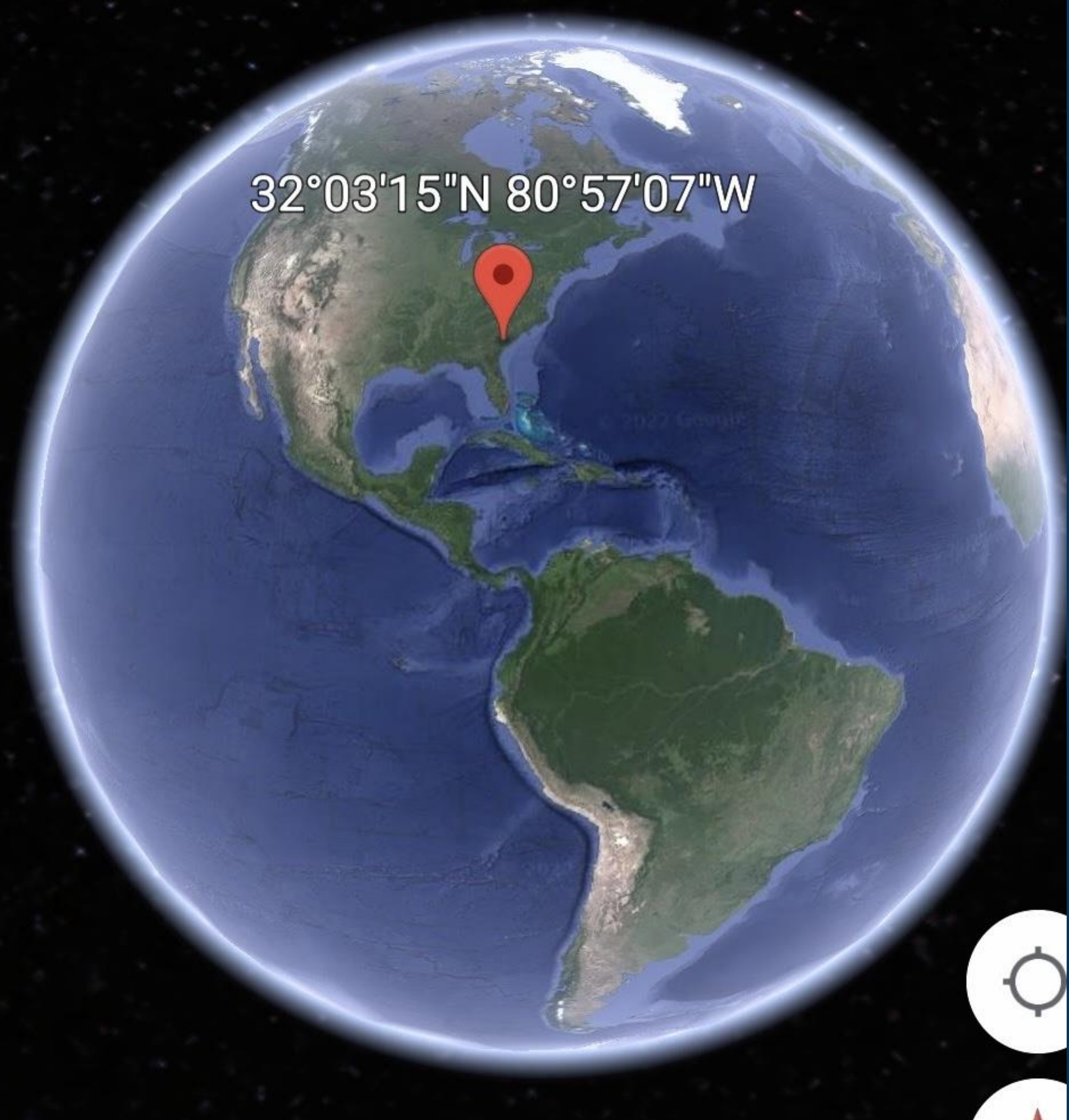




Old Fort Jackson Museum in Chatham County, Georgia

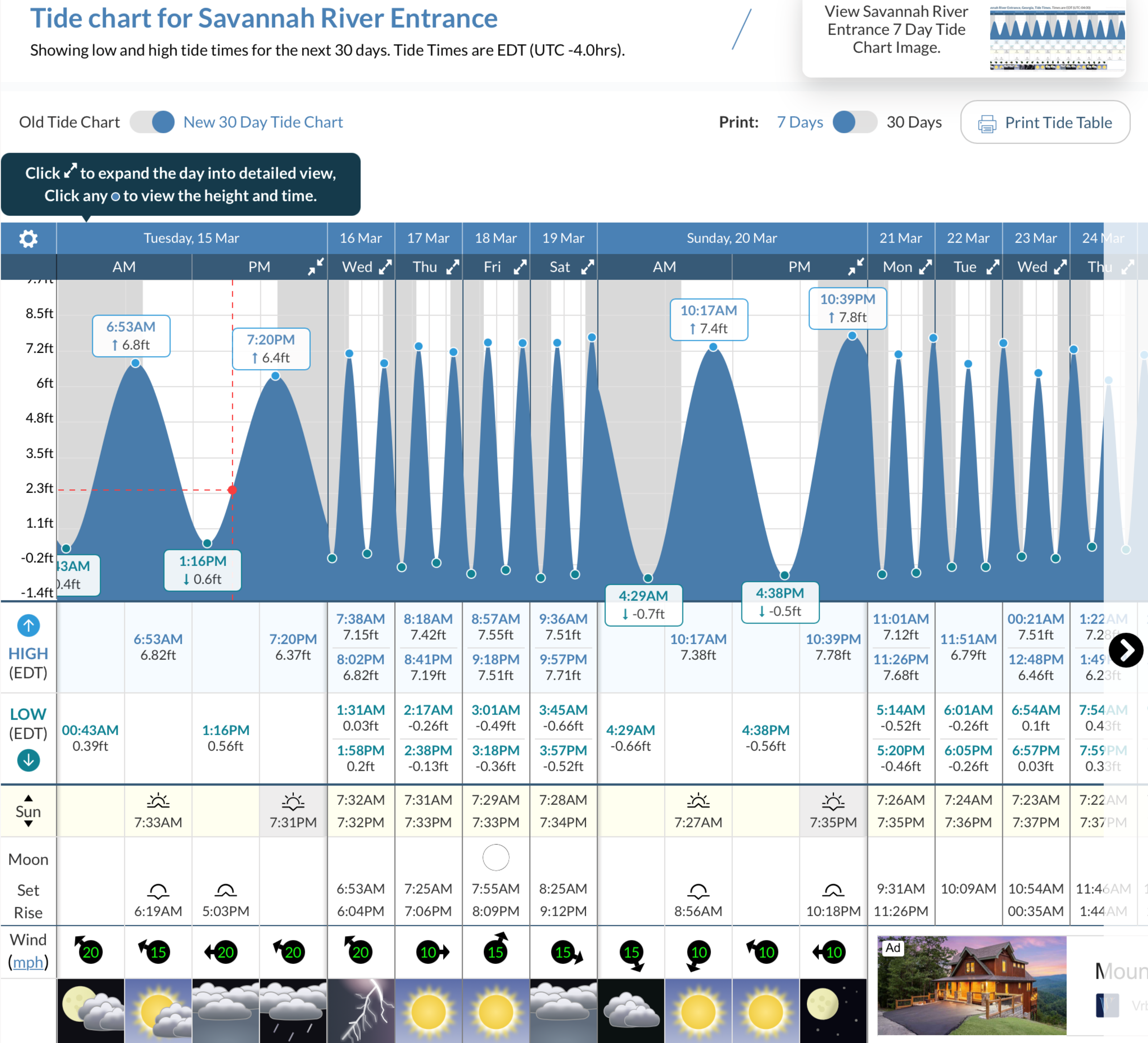


# Map talk





# Tide chart





# Wetlands and Watersheds







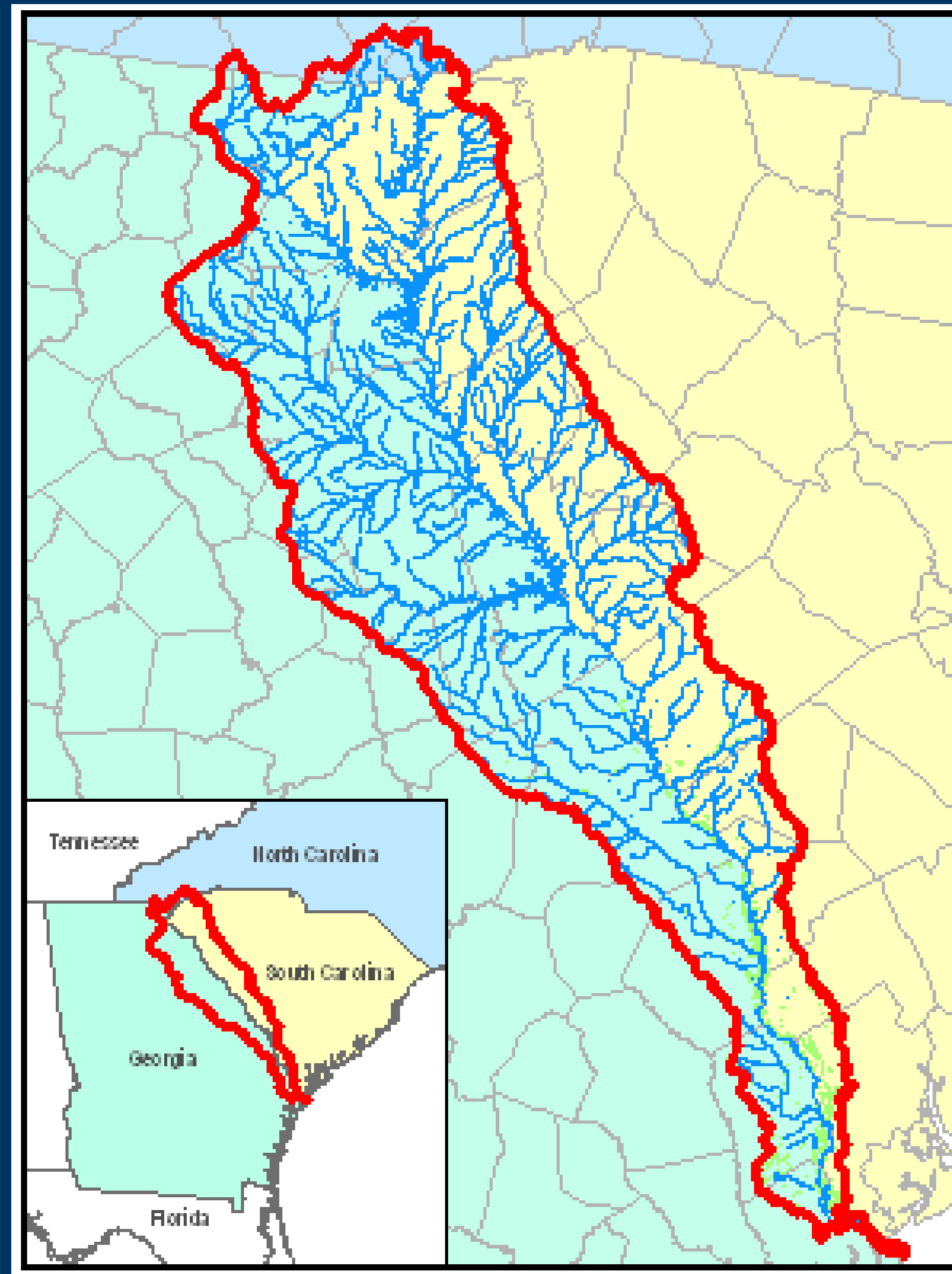


# Engaging in story





# Savannah river

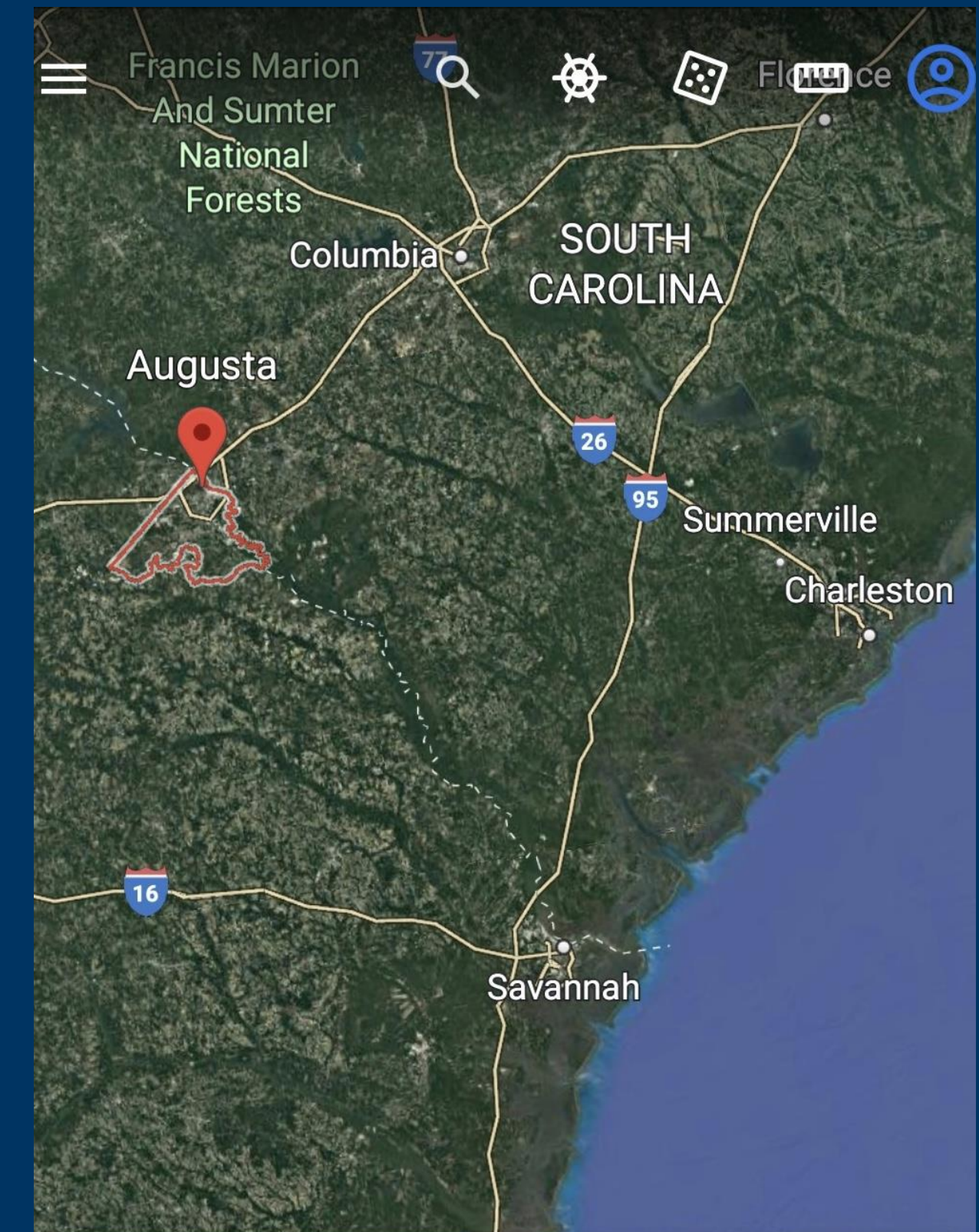
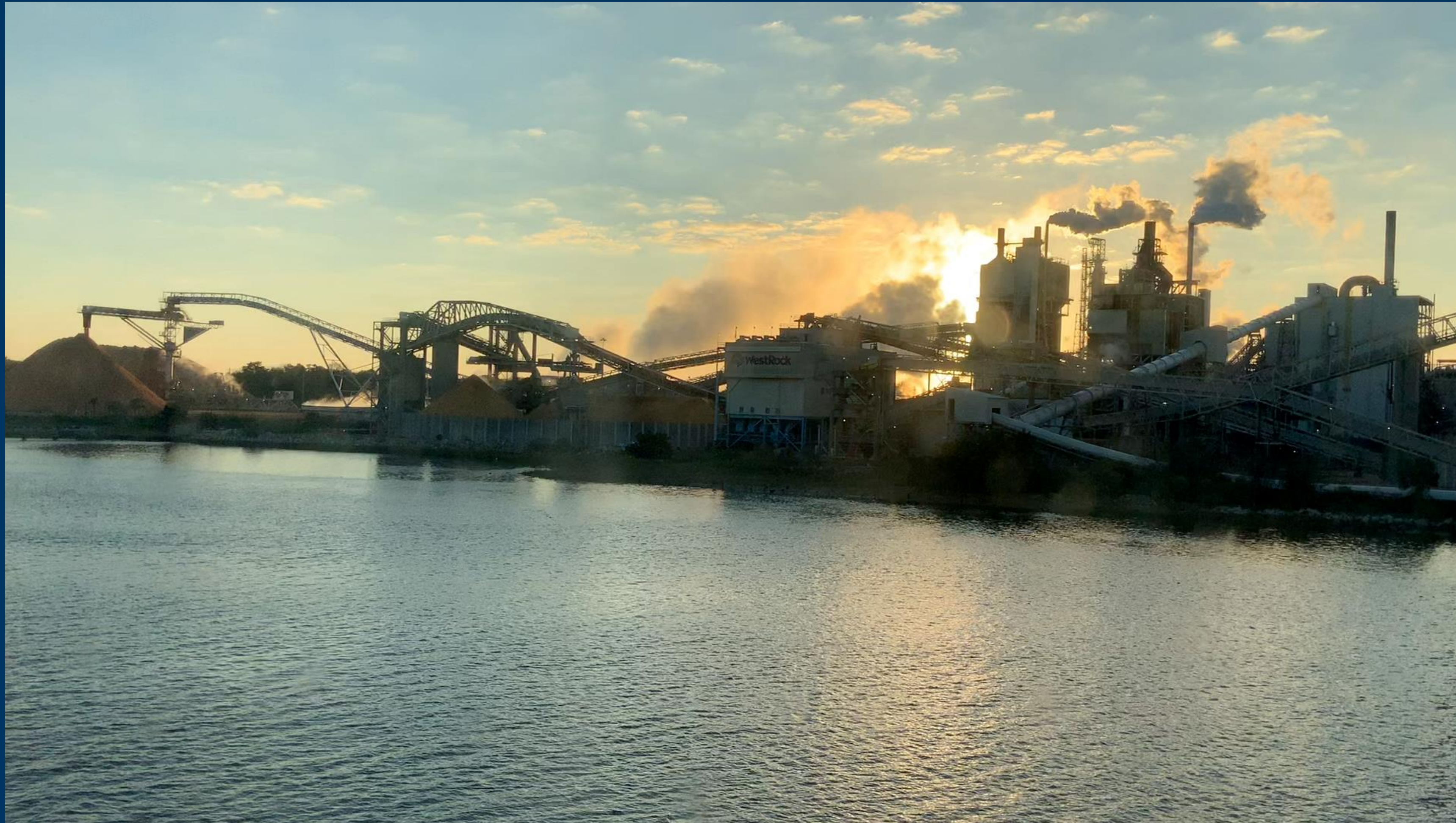








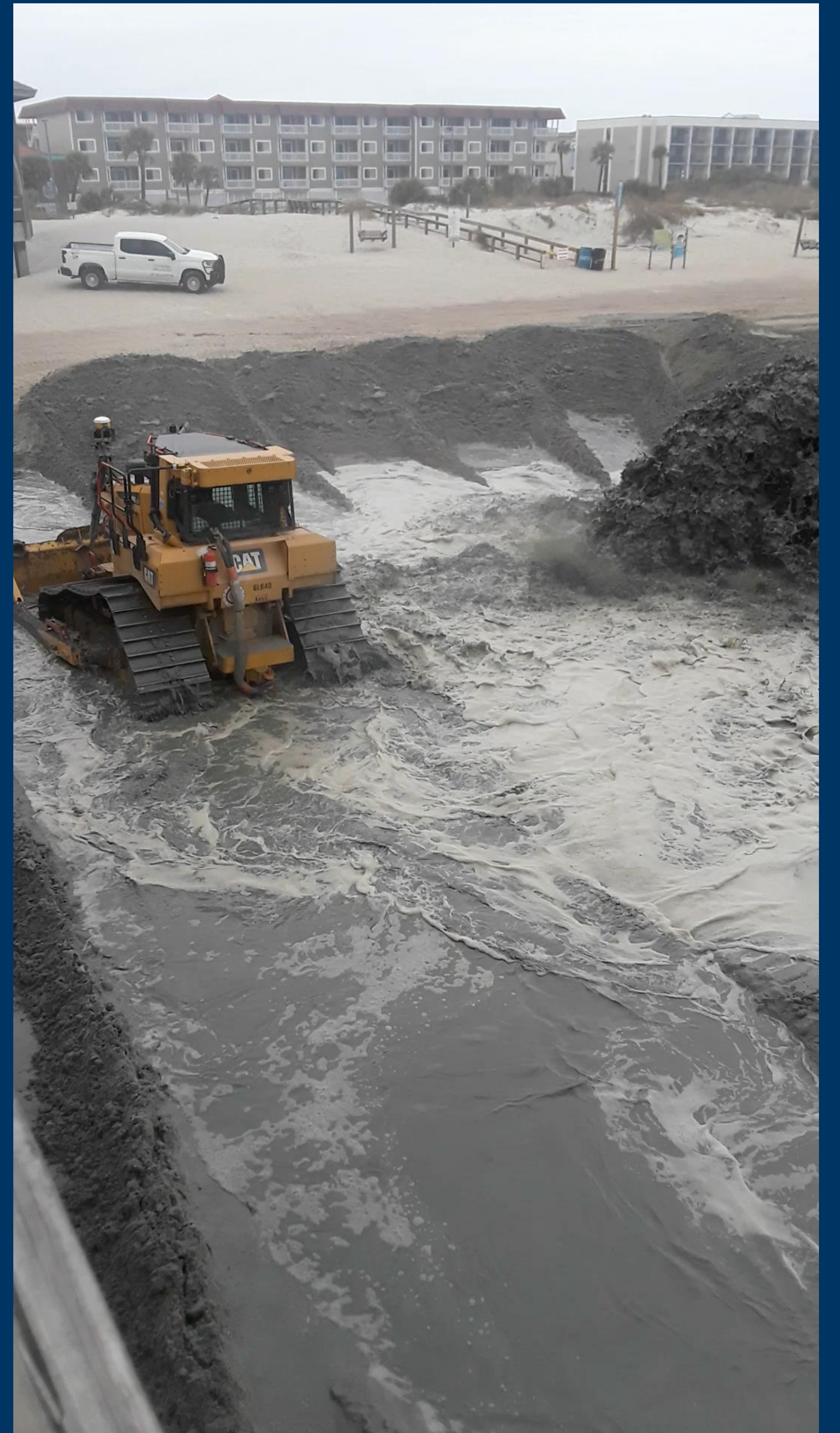
# The health of the river



Augusta  
City in Georgia



# Coastal upkeep

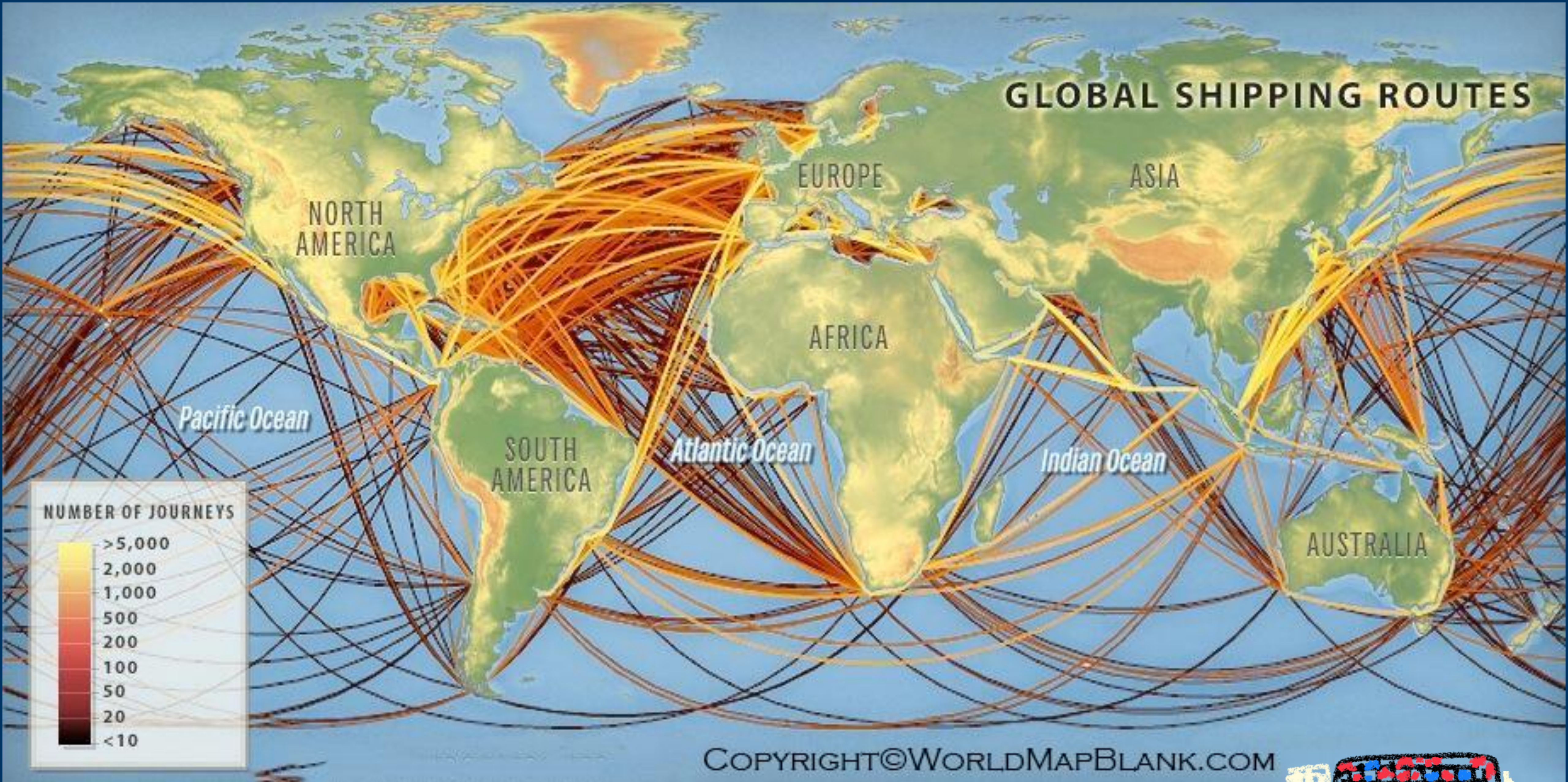




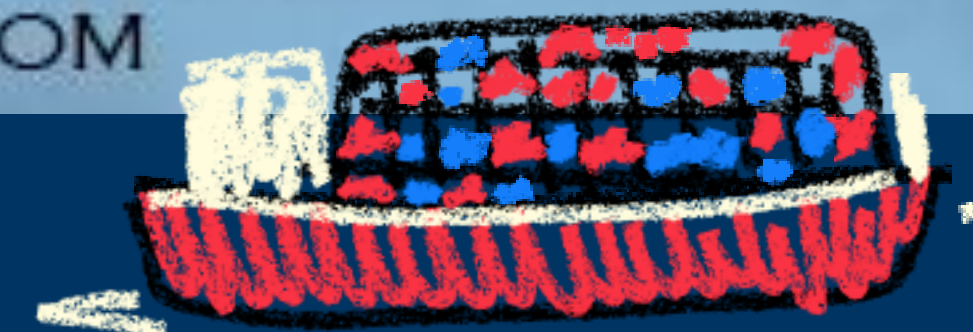


**CCNI ANDES**  
**MONROVIA**  
IMO 9718935





Download VesselFinder App to observe ship traffic in real time





# Giant pink barnacle





# River touch tank





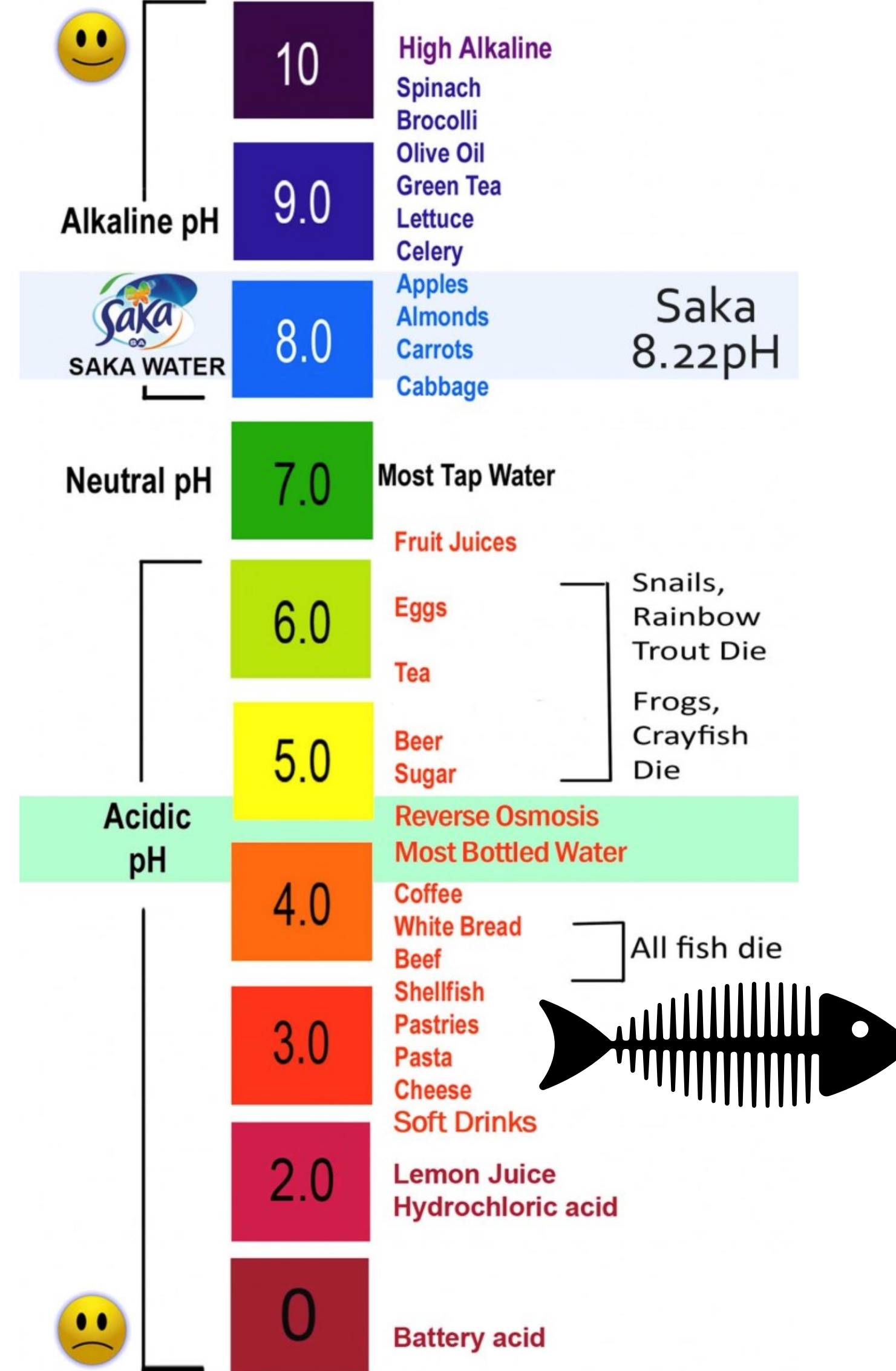
# Water Quality





# Potential hydrogen

## pH Chart





# Salinity





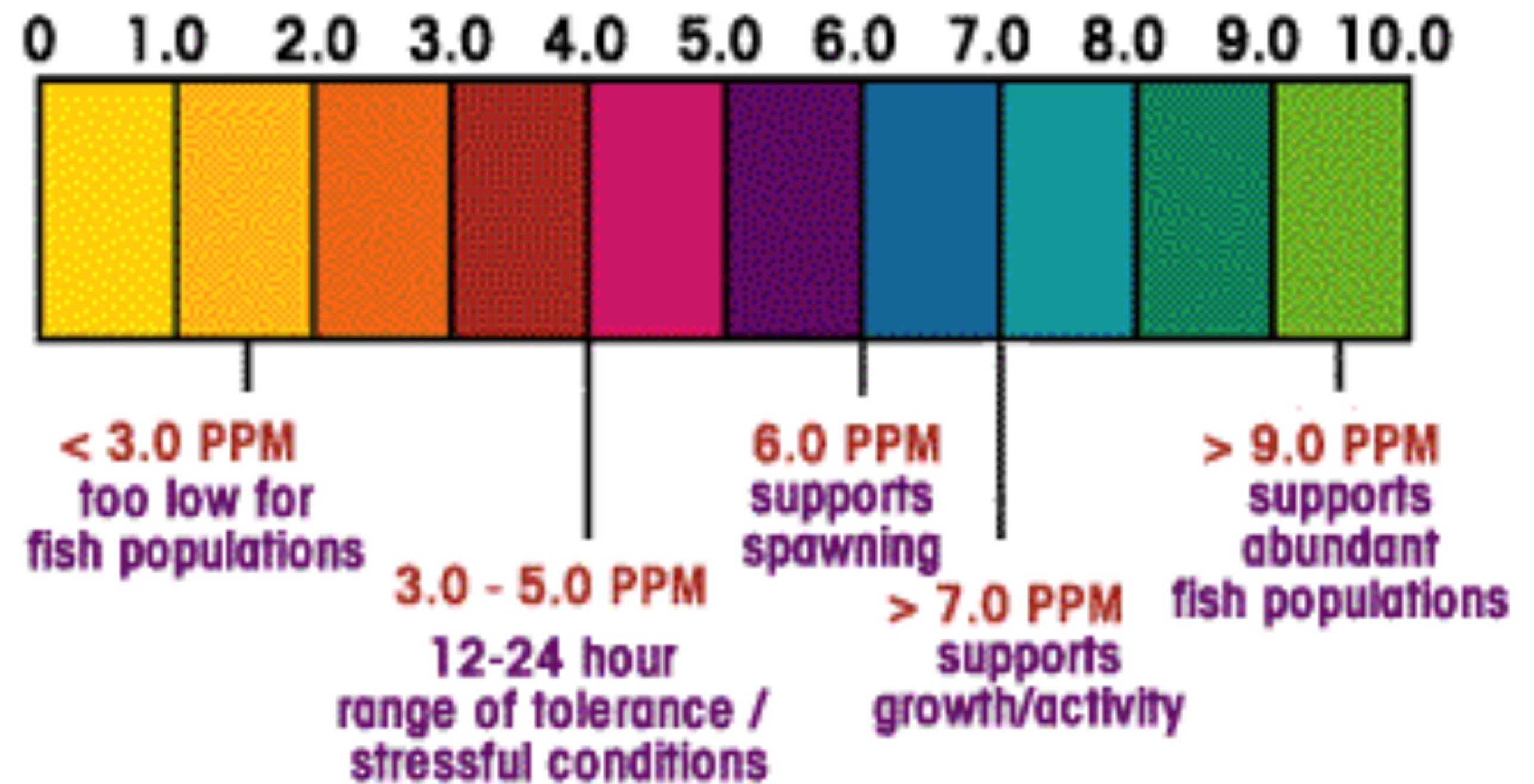




# Dissolved Oxygen

## RANGE OF TOLERANCE FOR DISSOLVED OXYGEN IN FISH

PARTS PER MILLION (PPM)  
DISSOLVED OXYGEN





# Temp

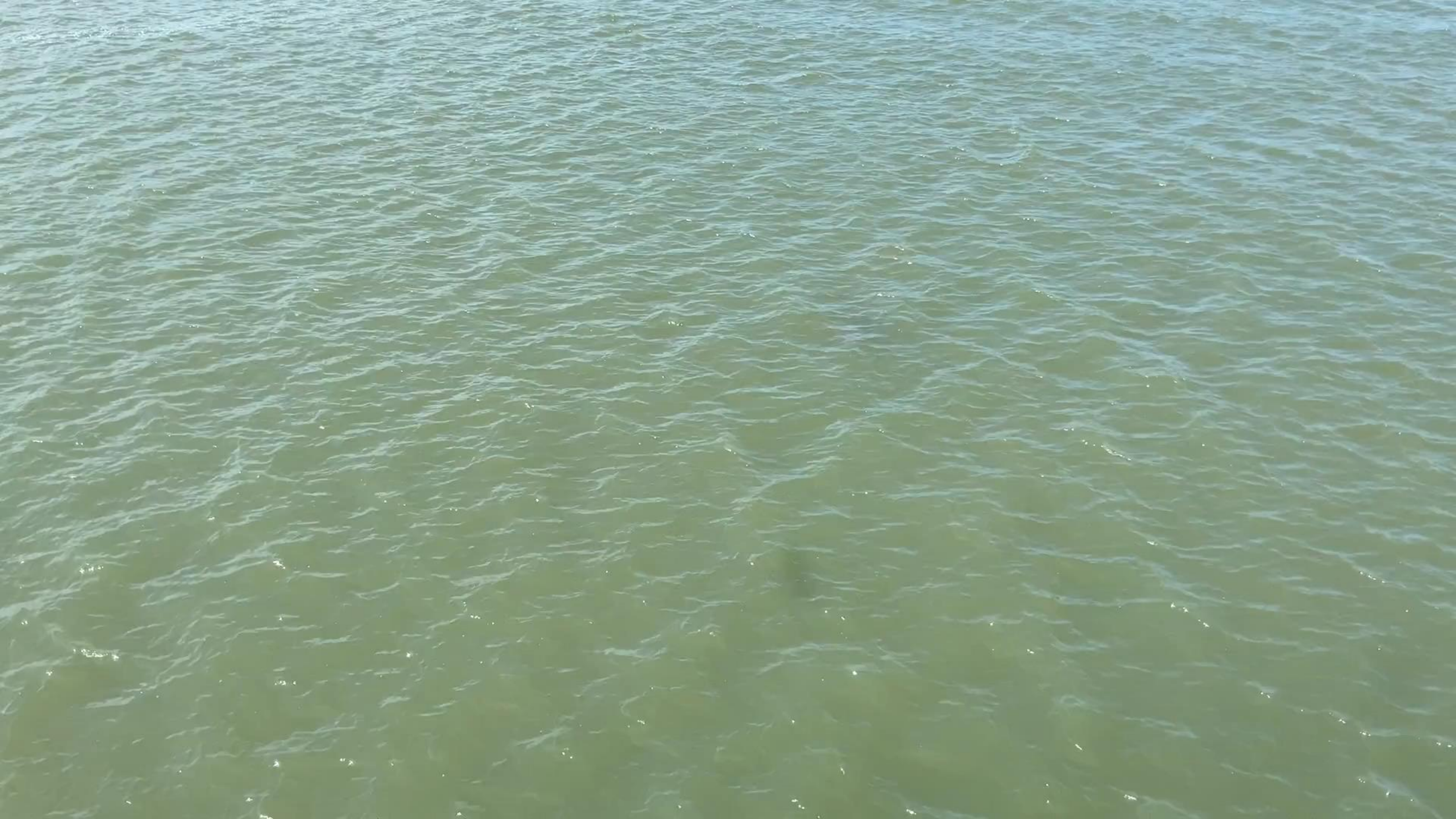




# Scientific investigation







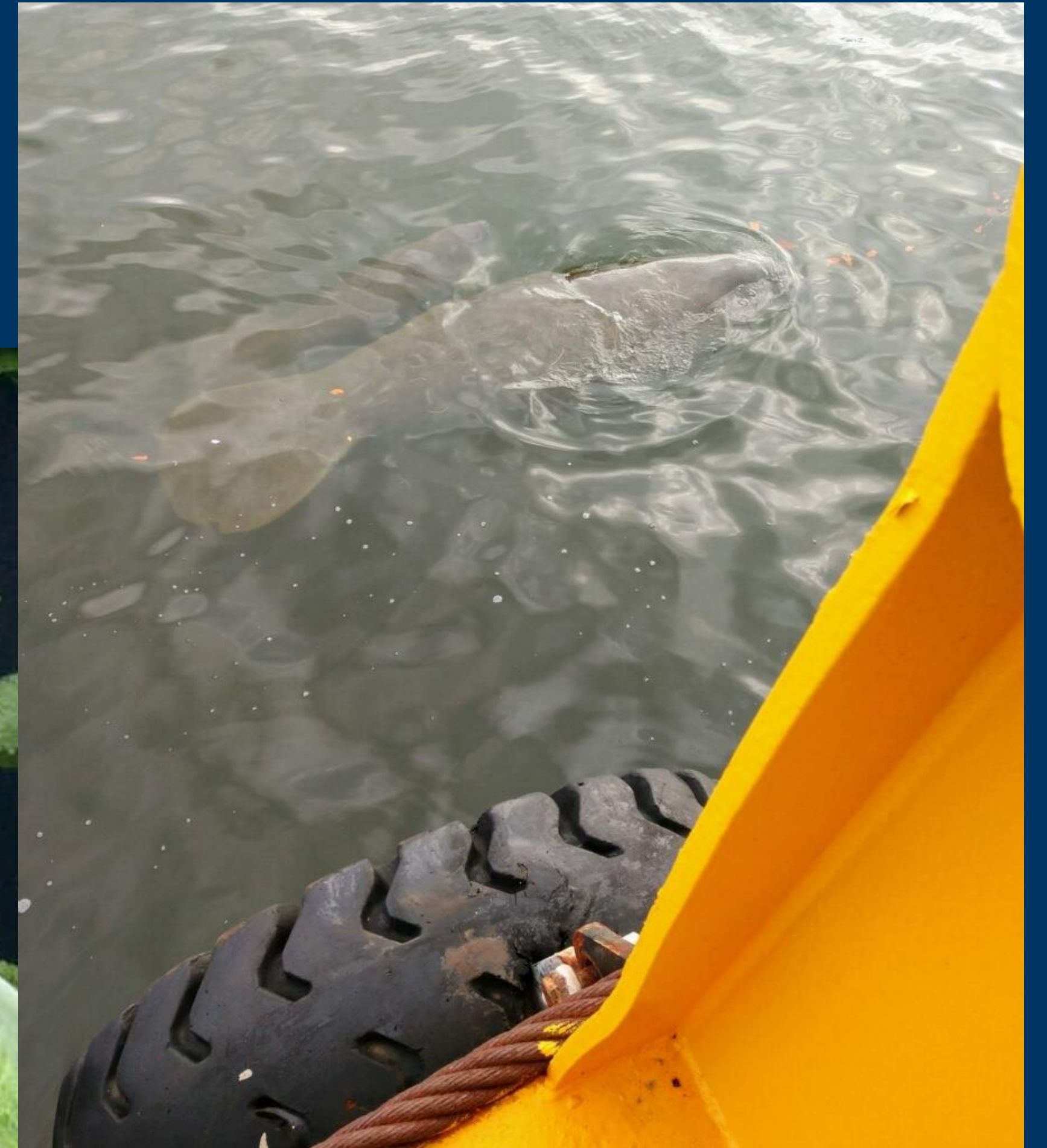


# Dolphins





# Manatees





# Sturgeon





# Oyster Restoration





# Renewable resources



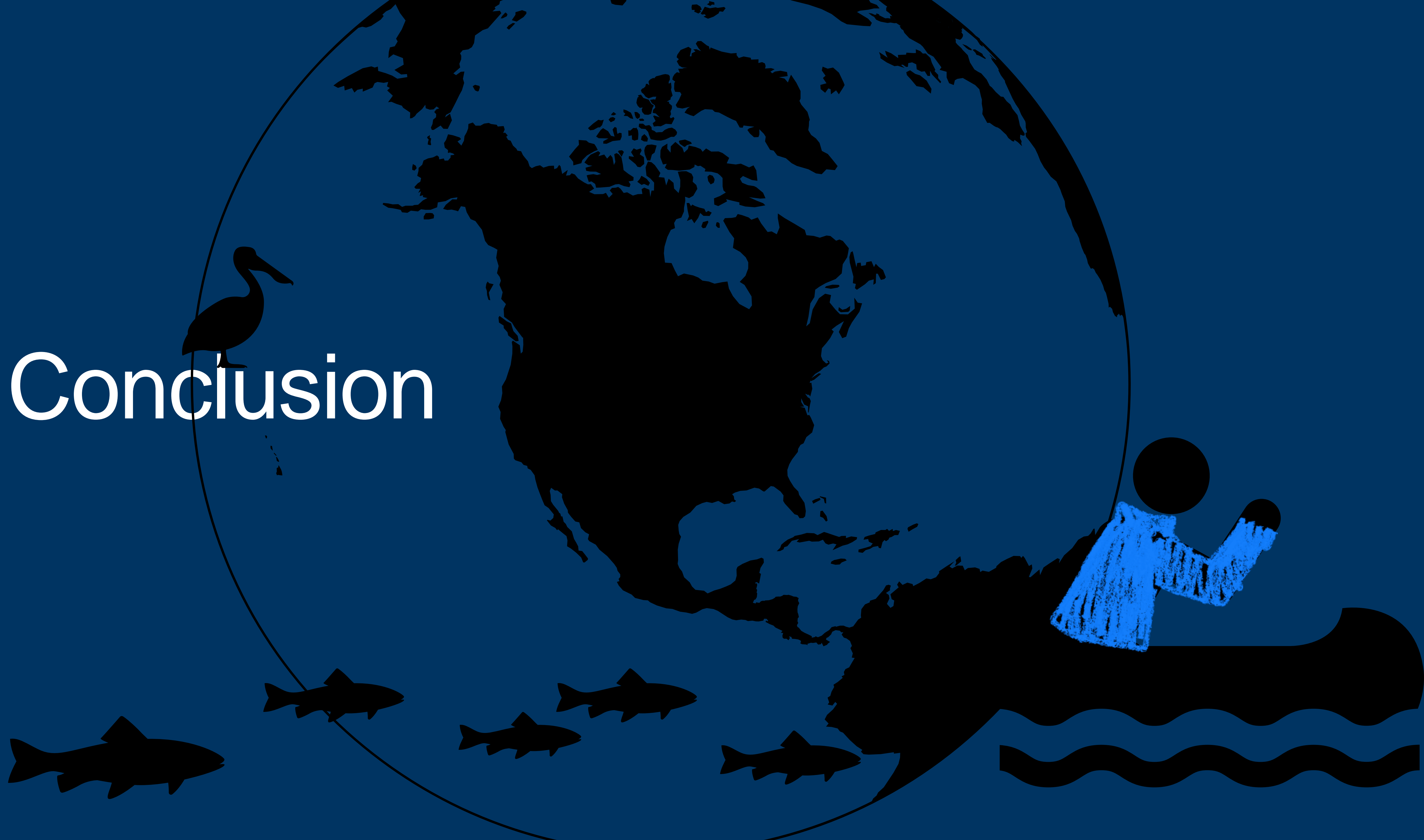


# Non renewable resources





# Conclusion





# Performance standards

These may have changed in the years but as of 2018, we were required to hit on these standards during our outreach.

S6CS4 Students will use tools and instruments for observing, measuring, and manipulating equipment and materials in scientific activities.

- a. Use appropriate technology to store and retrieve scientific information in topical, alphabetical, numerical, and keyword files, and create simple files.
- c. Read analog and digital meters on instruments used to make direct measurements of length, volume, weight, elapsed time, rates, and temperature, and choose appropriate units for reporting various quantities.

S6CS2 Students will use standard safety practices for all classroom laboratory and field investigations.

- a. Follow correct procedures for use of scientific apparatus.

S6E3 Students will recognize the significant role of water in earth processes.

- d. Explain the causes of waves, currents, and tides.

S6E6 Students will describe various sources of energy, and with their uses, and conservation.

- b. Identify renewable and nonrenewable resources.





- References
- [exploregeorgia.org](http://exploregeorgia.org), fort Jackson imagery
- [tide-forecast.com](http://tide-forecast.com), tidal chart
- [coastalgadnr.org](http://coastalgadnr.org) , marsh imagery
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- [HTTPS://earth.nullschool.net](https://earth.nullschool.net), global weather
- [HTTPS://satellite-map.gosur.com](https://satellite-map.gosur.com), google earth
- Worldmapblank.com, ship traffic map
- CNN.com, manatee imagery
- Tampabay.com, sheepshead imagery
- Jungledragon.com, littorena littorea imagery
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- Earth.Stanford.edu, solar panel imagery
- <https://www.fisheries.noaa.gov/national/marine-mammal-protection/marine-mammal-stock-assessment-reports-region>